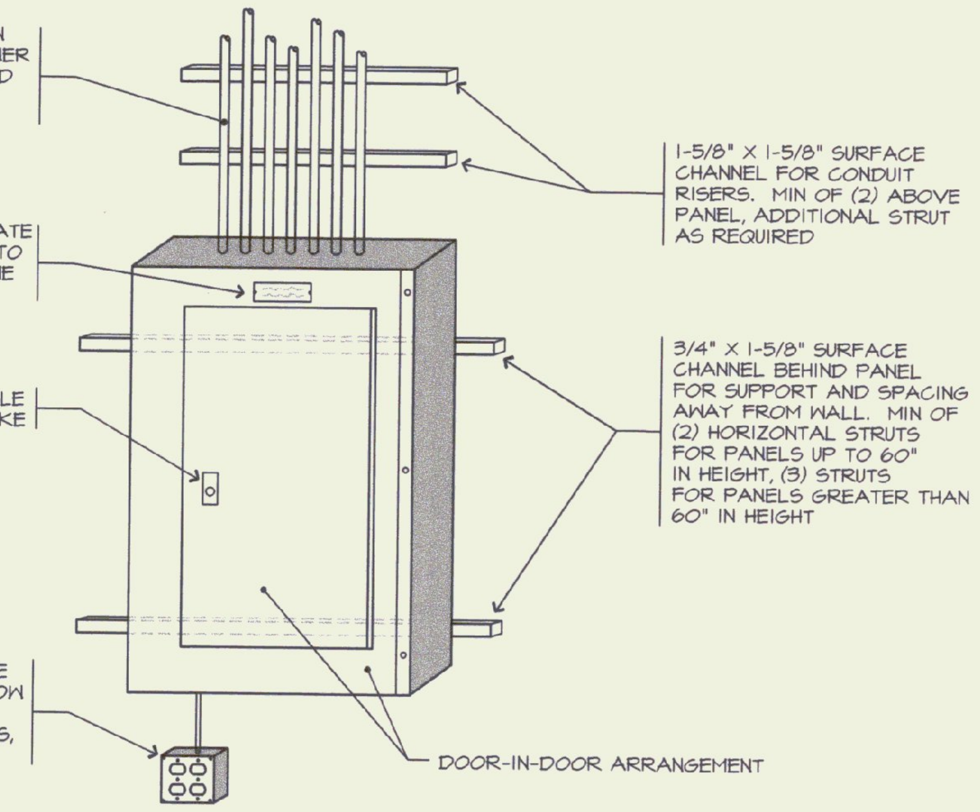
ELECTRICAL SYMBOL LIST

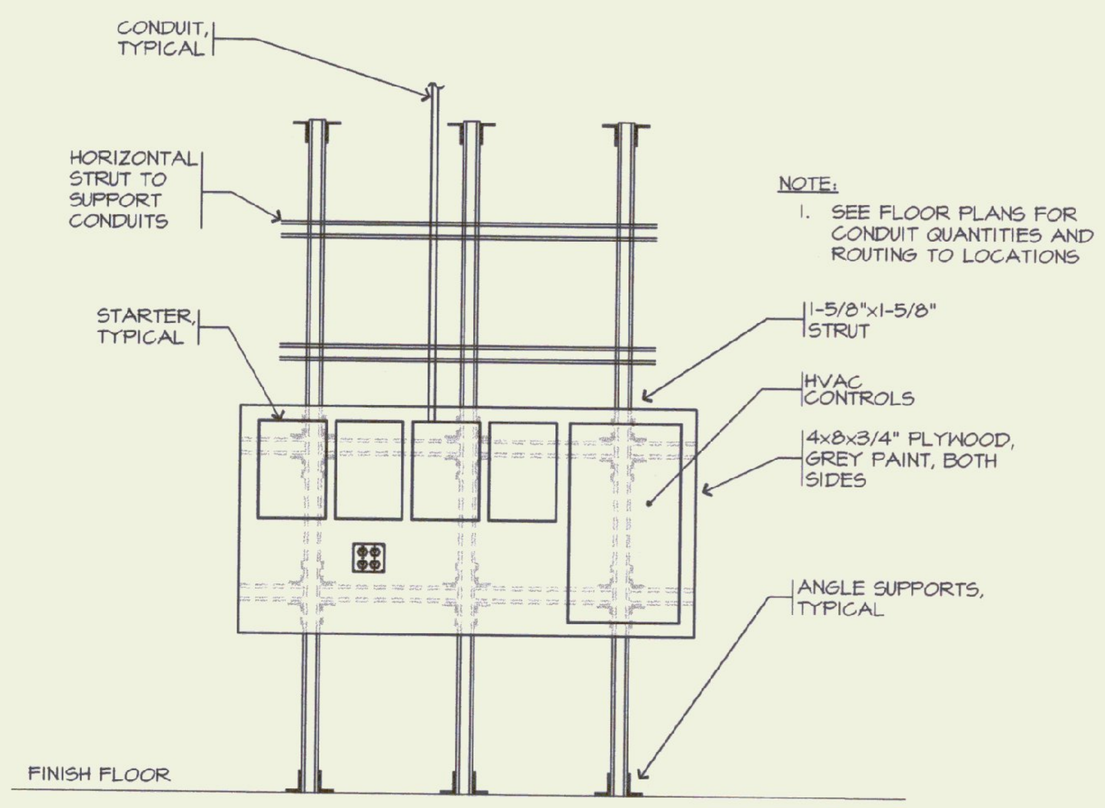
NOT ALL SYMBOLS ARE NECESSARILY USED

- A — FLUORESCENT STRIP FIXTURE
- A — RECESSED, FLUORESCENT FIXTURE
- A — WALL BRACKET
- A — CEILING FIXTURE
- BU — EMERGENCY BATTERY UNIT, NO ATTACHED HEADS
- XP — COMBINATION WALL MOUNTED EXIT SIGN W/ ATTACHED EMERGENCY LIGHTING HEADS.
- BU — EMERGENCY BATTERY UNIT, ATTACHED HEADS
- REMOTE EMERGENCY LIGHTING FIXTURE, DOUBLE HEAD, POWERED FROM REMOTE BATTERY UNIT
- X — EXIT SIGN, SELF POWERED
- X — EXIT SIGN, SELF POWERED, WALL MOUNTED
- S — SINGLE POLE SWITCH 20 AMP 125/277 VOLT TOGGLE
- S_3 — 3-WAY SWITCH 20 AMP 125/277 VOLT TOGGLE
- S_4 — 4-WAY SWITCH 20 AMP 125/277 VOLT TOGGLE
- S_P — PILOT LIGHT SWITCH 20 AMP 125 VOLT TOGGLE, SURFACE MOUNT SEE NOTES AT DEVICE FOR SPECIFIC MOUNTING INSTRUCTIONS
- S_{OB} — OIL BURNER SHUT OFF SWITCH
- S_d — DIMMER SWITCH, 120 VOLT, SLIDE TYPE, 1000 WATT MIN
- F — OIL BURNER FIRE-O-MATIC THERMAL CUTOUT SWITCH
- DUPLEX RECEPTACLE 20 AMP 125 VOLT
- CEILING MOUNTED RECEPTACLE
- * — DUPLEX RECEPTACLE ABOVE COUNTER AND BACKSPLASH, VERIFY FINAL MOUNTING HEIGHT ON SITE PRIOR TO ROUGH IN
- ISOLATED GROUND DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE, SPLIT WIRED, TOP HALF SWITCH CONTROLLED
- DOUBLE DUPLEX RECEPTACLE, INSTALL IN 2-GANG BOX UNDER ONE 2-GANG PLATE, WIRE TO COMMON CIRCUIT AS SHOWN
- WP — DUPLEX RECEPTACLE WITH WEATHERPROOF, GASKETED COVER
- GF — GROUND FAULT TYPE DUPLEX RECEPTACLE, 20 AMP 125 VOLT CLASS A WITH 20 AMP FEED THROUGH RATING,PLATE TO MATCH OTHER DEVICES INSTALL IN SEPARATE SINGLE GANG BOX WHERE SHOWN ON PLANS (MIN 3 1/2" WALL BOX)
- GF WP — GROUND FAULT TYPE DUPLEX RECEPTACLE, WITH WEATHERPROOF COVER INSTALL IN SEPARATE SINGLE GANG BOX WHERE SHOWN ON PLANS (MIN 3 1/2" WALL BOX)
- FLOOR MOUNTED RECEPTACLE
- SPECIAL 1Ø OR 3Ø OUTLET, 208 VOLT, CONFIRM AMPERAGE AND N.E.M.A. CONFIGURATION TO SUITE EQUIPMENT BEING SERVED
- R — RANGE OUTLET, 50 AMP, 4 WIRE, SURFACE RECEPTACLE IN DEEP BOX WITH RAISED COVER
- NI — TELEPHONE SYSTEM NETWORK INTERFACE (DEMARCTION) POINT FURNISHED AND INSTALLED BY LOCAL TELEPHONE SERVICE CO, QUANTITY AS REQUESTED BY OWNER TO SERVE NEEDS
- TELEPHONE OUTLET, BOX AND CONDUIT
- W / P — TELEPHONE OUTLET, WALL OR PAY TYPE AS NOTED
- C — CATV OUTLET BOX AND DROP, SEE DETAILS AND CATV RISER DIAGRAM
- C — COMPUTER OUTLET BOX AND CONDUIT, SEE DETAILS
- WIRING HOME RUN TO PANEL AS NOTED, (2) #12, (1) #12 GND MIN, BACK TO 20 AMP, SINGLE POLE BREAKER UNLESS NOTED OTHERWISE
- INDICATES (2) POWER CONDUCTORS WITH FULL SIZE GROUND
- INDICATES (3) POWER CONDUCTORS WITH FULL SIZE GROUND
- INDICATES (4) POWER CONDUCTORS WITH FULL SIZE GROUND
- CABLE OR RACEWAY RUN CONCEALED IN WALLS OR CEILINGS SURFACE MOUNTED WHERE NOTED OR ALLOWED IN UTILITY OR UNFINISHED AREAS
- UNDERSLAB RACEWAY AS NOTED
- EMERGENCY LIGHTING LOW VOLTAGE (12 VDC) WIRING, RUN SURFACE MOUNTED - PARALLEL TO BUILDING STRUCTURE
- 120/208 SURF. — ELECTRICAL PANELBOARD, VOLTAGE AND PHASE AS NOTED REFER TO POWER RISER DIAGRAM AND PANEL SCHEDULES FOR DETAILS
- TELEPHONE BACKBOARD — TELEPHONE AND CATV BACKBOARD BY EC, SEE SYSTEMS RISER DIAGRAMS FOR ADDITIONAL DETAILS AND SPECIFICATIONS
- FU WP — DISCONNECT SWITCH BY EC, 250 VOLT, NEMA 1 (OR 3R AS NOTED), FUSIBLE, SIZE AS NOTED OR REQUIRED, DUAL ELEMENT, TIME DELAY FUSES SIZED, FURNISHED AND INSTALLED BY EC PER EQUIPMENT NAMEPLATE VALUES
- TC — TIMECLOCK
- PC — PHOTOCELL
- FS — FIRE SEAL AT RATED PARTITION
- T — TRANSFORMER, 120/24 VAC
- MS — MANUAL MOTOR STARTER
- MAGNETIC OR COMBINATION MOTOR STARTER
- EF — EXHAUST FAN, FURNISHED WITH DUCTWORK AND INSTALLED BY MC. POWER WIRING BY EC AS SHOWN OR AS NOTED, FANS ARE 120 VOLT, FRACTIONAL HORSEPOWER, UNLESS SPECIFICALLY NOTED OTHERWISE
- HP — EQUIPMENT MOTOR, FURNISHED AND INSTALLED COMPLETE BY MC AS NOTED, POWER WIRING AND DISCONNECT BY EC AS REQUIRED
- OS — OCCUPANCY SENSOR.



SURFACE MOUNTED PANELBOARD DETAIL

NOT TO SCALE

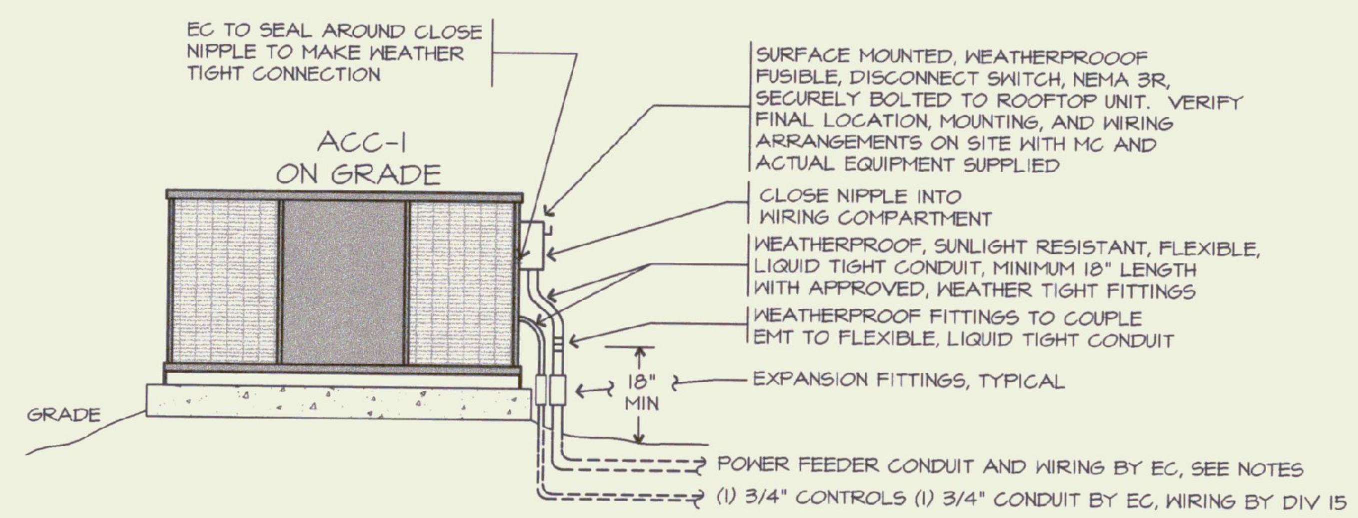


STARTER MOUNTING DETAIL

NOT TO SCALE

ELECTRICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
BC	BARE COPPER
BKBD	BACKBOARD
BLDG	BUILDING
C	CONDUIT
CATV	CABLE TELEVISION
CSA	CANADIAN STANDARDS
CU	COPPER
DET	DETAIL
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
FU	FUSIBLE
GC	GENERAL CONTRACTOR
GF	GROUND FAULT (PROTECTED)
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MH	MAGNETIC HOLDERS
MIN	MINIMUM
MLO	MAIN LUG ONLY
MTD	MOUNTED
NIC	NOT IN CONTRACT
NL	NITE LIGHT
NF	NON FUSED
PVC	RIGID NON-METALLIC CONDUIT (POLYVINYL CHLORIDE)
RMC	RIGID GALVANIZED METAL CONDUIT
SHT	SHEET
TELE	TELEPHONE
TV	TELEVISION
UL	UNDERWRITERS LABRATORY
UON	UNLESS OTHERWISE NOTED
VBA	VERIZON / BELL ATANTIC
W/G	WITH GROUND CONDUCTOR
WP	WEATHERPROOF



PADMOUNTED UNIT WIRING INSTALLATION DETAIL

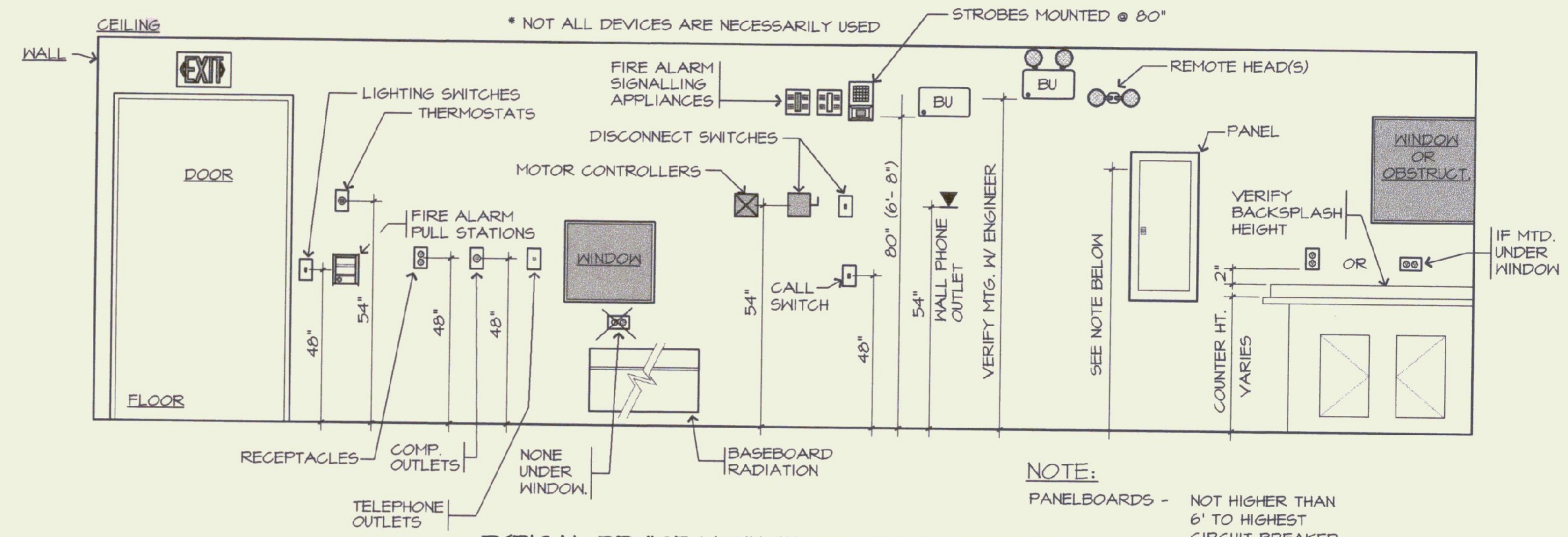
NOT TO SCALE

WHERE (2) DUPLEX RECEPTACLES ARE SHOWN NEAR EACH OTHER

QUAD NOT ALLOWED

LISTED EQUIPMENT NOTICE

ALL EQUIPMENT NEEDING ELECTRICAL POWER IS INTENDED AND SPECIFIED TO BE "UL" OR "CSA" LISTED AND LABELED. ELECTRICAL CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER OF ANY EQUIPMENT NOT SO LISTED AND LABELED AND SHALL NOT PROCEED WITH ANY WIRING OF SUCH EQUIPMENT UNTIL REPLACEMENT OF EQUIPMENT OR DIRECTED IN WRITING BY ENGINEER. TYPICAL OF ALL DEVICES AND EQUIPMENT ON THIS PROJECT



NOTE:

PANELBOARDS - NOT HIGHER THAN 6' TO HIGHEST CIRCUIT BREAKER

TYPICAL DEVICE MOUNTING HEIGHTS ELEVATION

NOT TO SCALE

NOTES

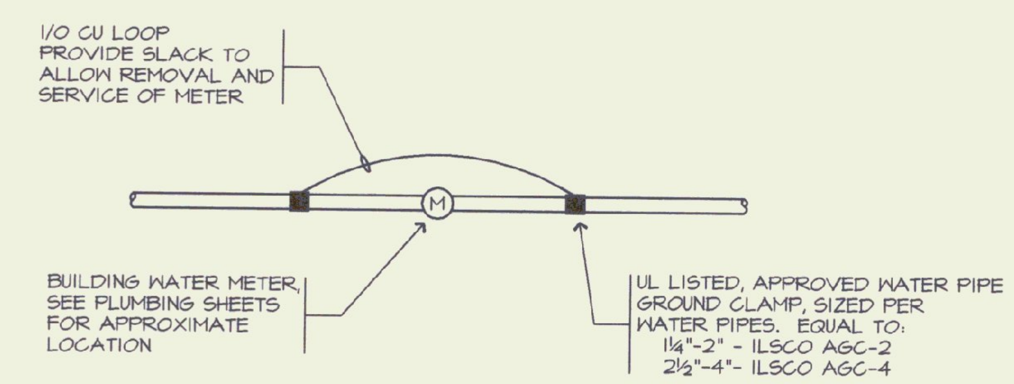
A. THE ABOVE MOUNTING HEIGHTS SHALL APPLY TO ALL DEVICES UNLESS NOTED OTHERWISE ON THE PLANS. ALL NOTED DIMENSIONS ARE TO THE CENTERLINE OF THE DEVICE FROM THE FINISHED FLOOR

B. WHERE EXISTING OR SPECIAL CONDITIONS PREVENT THE INSTALLATION OF DEVICES AT THE ABOVE HEIGHTS, THE EC SHALL VERIFY HEIGHTS ON SITE WITH ARCHITECT ABOVE COUNTER DEVICES NOTED BY (*)

C. ALL DEVICES IN FINISHED AREAS SHALL BE INSTALLED IN SURFACE DEVICE BOXES

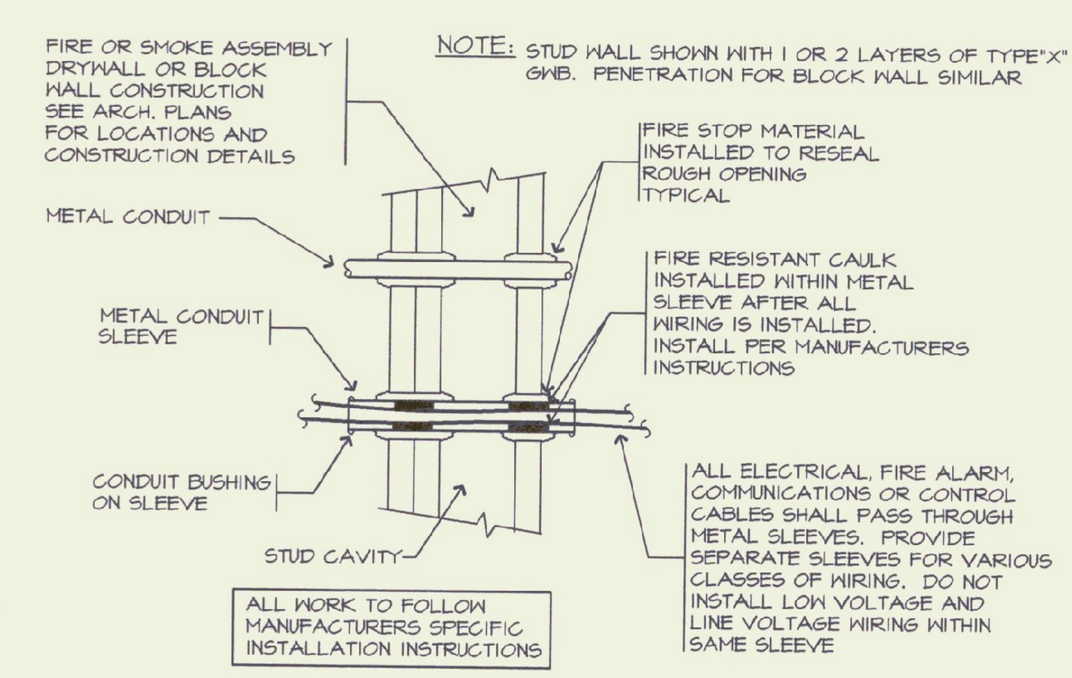
D. EC SHALL VERIFY FINAL WORKBENCH, COUNTER, CABINET OR VANITY HEIGHTS INCLUDING BACKSPLASH, ON SITE WITH GC PRIOR TO INSTALLATION OF BOXES.

E. INSTALL RECEPTACLES HORIZONTALLY, 4" ABOVE BASEBOARD RADIATION. REFER TO M - SERIES (DIV. 15) SHEETS FOR RADIATION LAYOUT



WATER METER BONDING JUMPER

NOT TO SCALE



WIRING THROUGH FIRE RATED ASSEMBLY - TYPICAL DETAIL

NOT TO SCALE

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AGENCY OF TRANSPORTATION
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HIGHGATE VERMONT

SCALE:	AS SHOWN
DATE:	09/24/01
DRAWN BY:	CTS
APPR. BY:	WRW

REVISIONS

HIGHGATE
MAINTENANCE GARAGE
ELECTRICAL LEGEND/DETAILS

E-0